KAZAROV, A.P.

Reflex influences on phagocytosis, the number of leucocytes, and blood coagulation time in animals under anesthesia. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 9 no.12:13-21 D '56. (MLRA 10:2)

1. Fiziologicheskaya laboratoriya Nauchno-issledovatel'skogo instituta akusherstva i ginekologii Ministerstva zdravookhraneniya Armyanskoy SSR.
(Pain) (Blood--Coagulation) (Leucocytes) (Phagocytosis)

MARKARYAN, P.A.; GAMBARYAN, L.S.; KAZAROV, A.P.; KARAGEZYAN, K.G.

Reflex actions from interoceptors on phatocytosis, blood coagulation, and leukocyte and thrombocyte counts. Fiziol.zhur. 42 no.4:382-389 Ap '56. (MLRA 9:7)

1. Fiziologicheskaya laboratoriya nauchno-issledovatel'skogo instituta akusherstva i ginekologii Ministerstva zdravookhraneniya Arm. SSSR, Yerevan
(PHAGOCYTOSIS, physiology,
eff. of interoceptive stimulation in dogs (Rus))
(BLOOD COAGULATION, physiology,
same)
(LEUKOCYTE COUNT, physiology,
same)
(BLOOD PLATELETS,
count, eff. of interoceptive stimulation in dogs (Rus))

USSR/General Problems of Pathology. Immunity. U

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37045.

Author : Kazarov, A.
Inst :
Title : Comparative Survey of Methods of Phagocyte Determination.

Orig Pub: Arokhchapautiun, 1957, No 1, 20-22.

Abstract: No abstract.

Card : 1/1

USSR/General Problems of Pathology. Immunity U-1

Abs Jour : Ref Zhur - Biol., No 13, 1958, No 60951

Author : Kazarov A.P.
Inst : Academy of Sciences, Armenian SSR - Physiol. Lab. Sci Res Inst. Obst & Gynecology Min. Health Arm SSR
Title : Reflex Effects on the Phagocytic Property of Leukocytes

Orig Pub : Izv. AN Arm. SSR, Biol. i s-kh. 1957, 10, No 8, 45-52

Abstract : A determination of the phagocytic activity and number of leukocytes was made in dogs, cats, and in women who had suffered a surgical interference (abortion). In response to an unconditioned stimulus of the skin by electric current, the phagocytic activity and the number of leukodytes in animals increased (for instance; the phagocytic activity of leukocytes increased by 7 times, and the number of leukocytes increased from 8500 to 13200 in one cubic millimeter). Interoceptive unconditioned irriatation of the animals intestines, according to Tiri-Vella or of the cervix, as well as the irritation of the neck of a dilated womb in women, produced a marked increase of the number and phagocytic activity of leukocytes.

Card : 1/2

KAZAROV, A.P.

Effect of conditioned and unconditioned stimuli on the leucocyte count of blood and their phagocytic activity. Izv. AN Arm. SSSR. Biol. i sel'khoz. nauki 11 no.3:11-19 Mr '58. (MIRA 11:3)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii Ministerstva zdravookhraneniya ArmSSR.
(LEUCOCYTES) (REFLEXES)

ARUTYUNYAN, R.A.; KAZAROV, A.P.

Some data on the mechanisms of the effect of antianemin on the hematopoietic process. Biul.eksp. biol. i med. 51 no.1:37-40 Ja '61. (MIRA 14:5)

1. Iz fiziologicheskoy laboratorii Nauchno-issledovatel'skogo instituta akusherstva i ginekologii Ministerstva zdravookhraneniya Armyanskoy SSR (dir. - prof. P.A.Markaryan), Yerevan. Predstavlena akademikom V.N.Chernigovskim.
(LIVER EXTRACTS) (HEMOPOIETIC SYSTEM)

KAZAROV, A.P.

Staining reticulocytes of peripheral blood by available dyes. Izv. AN Arm. SSR. Biol. nauki 14 no.9:101-102 S '61. (MIRA 14:9)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii.
(STAINS AND STAINING (MICROSCOPY))
(ERYTHROCYTES)

KAZAROV, A.P.

Modification of blood smears according to Pappenheim. Izv. AN Arm. SSR. Biol. nauki 15 no.3:99-100 '62. (MIRA 15:4)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii Ministerstva zdravookhraneniya Armyanskoy SSR.
(BLOOD—COLOR AND COLORING MATTER)

KAZAROV, A.P.

Simple method of determining the time of blood coagulation in a melangeur. Zhur. eksp. i klin. med. 3 no.3:95-97 '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii Ministerstva zdravookhraneniya Armyanskoy SSR.

KAZAROV, A.V.

ALEKHIN, I.M.; KAZAROV, A.V., redaktor; KURMYSHOVA, R., redaktor izdatel'stva;
AGAYEVA, Sh., tekhnicheskiy redaktor

[Efficiency of using secondary methods of extracting petroleum; based on the example of the Lenin District of the Azerbaijan petroleum industry] Effektivnost' primeneniia vtorichnykh metodov dobychi nefti; na primere Leninskogo raiona Azerbaidzhanskoi neftianoi promyshlennosti. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1957. 136 p. (MLRA 10:9)
(Petroleum industry)

KAFAROV, A.V.

Economic effectiveness of the introduction into production practices of some results of the research of the Azerbaijan Scientific Research Institute of Petroleum Production. Sbor.nauch.-tekh.inform. Azerb.inst.nauch.-tekh.inform.Ser.neft.prom. no.1:75-78 '63. (MIRA 18:8)

KAZAROV, A.V.; BAGIRYAN, R.S.

Basic technical and economic indices of drilling in Azerbaijan in the last years. Sbor. nauch.-tekh. inform. Azerb. inst. nauch.-tekh. inform. Ser. Neft. prom. no.4:76-87 '63. (MIRA 18:9)

KAUFMAN, V.P.; KAZAROV, A.V.; KERIMOV, I.M.; PAL'YAN, S.A.

Economic effectiveness of the mechanization of underground well repair operations. Sbor.nauch.-tekh.inform. Azerb.inst.nauch.-tekh. inform.Ser.neft.prom. no.1:79-87 '63.

(MIRA 18:8)

KAZAROV, A.V.

KAZAROV, A.V.

[redacted]

Criteria in judging the efficiency of applying secondary oil recovery methods to pools in later stages of exploitation. Azerb. neft. khoz. 36 no.5:46-48 My '57. (MIRA 10:11)
(Secondary recovery of oil)

KAUFMAN, V.P.; KAZAROV, A.V.

Economic indices of the exploitation of Azerbaijan strippers.
Azerb. neft. khoz. 38 no.3:43-45 Mr '59. (MIRA 12:6)
(Azerbaijan--Oil fields--Valuation).

KAZAROV, A.V.; MELIK-ASLANOV, L.S.; TSIMMERMAN, G.A.

Economic effectiveness of hydraulic fracturing and acidization of injection wells. Azerb. neft. Khoz. 41 no.1:47-48 Ja '62.
(MIRA 16:7)

(Secondary recovery of oil)

KAZAROV, G.

DYUBOV, S., inzhener; KAZAROV, G., inzhener.

New chain-tension diagram for conveyer scrapers. Mast.ugl.5 no.12:16 D '56. (MLRA 10:2)

(Conveying machinery)
(Cheremkhovo Basin--Coal mines and mining)

KAZAROV, G.

KAZAROV, G., inzh.

Improving STR-30 scraper conveyers. Mast. ugl. 7 no.1:22 Ja '58.
(Coal mining machinery) (MIRA 11:2)

KAZHROV, G G.

DYUBOV, S.V., inzh.; KAZAROV, G.G., inzh.

Readers' response to I.G. Shtokman's article "Basic parameters of scraper-conveyers." Ugol' 33 no.2:40-41 F '58. (MIRA 11:2)

1. Kombinat Vostsibugol'.
(Coal mining machinery)
(Shtokman, I.G.)

YATSKIKH, V.G., kand.tekhn.nauk; KAZAROV, G.G., inzh.; CHERNYY, N.A., inzh.

Industrial testing of the "Trepanner" coal cutter-loader. Ugol'. prom. no.3:61-67 My-Je '62. (MIRA 18:3)

NATSVLISHVILI, G.A.; KAZAROV, I.L.

Therapeutic anesthesia in the treatment of thyrotoxic goiter.
Khirurgiia 39 no.7:49-54 Jl'63 (MIRA 16:12)

1. Iz Instituta eksperimental'noy i klinicheskoy khirurgii i gematologii (dir. - akademik AN Gruzinskoy SSR K.D.Eristavi) AN Gruzinskoy SSR.

S/749/60/007/000/001/012

AUTHORS: Andronikashvili, E. L., Bibilashvili, M. F., Dekanosidze, Ye. N., and Kazarov, P. E.

TITLE: On the selection of extensive air showers with a [illegible] number of particles and on the determination of their electron-photon component parameters (In Georgian, with a 4-page Russian résumé).

SOURCE: Akademiya nauk Gruzinskoy SSR. Institut fiziki. Trudy, v.7, 1960, 3-16.

TEXT: This is the description of a shower-selecting array for the investigation of the penetrating component of extensive cosmic-ray air showers, and an explanation of methods for the determination of optimal parameters for such a system. In 1958 the Institute of Physics, AS GruzSSR, constructed a 150-m long tunnel with varying depth (200 mwe max.) for the investigation of the penetrating component of extensive air showers (EAS). A surface laboratory with a ramified selection array was built above the tunnel to select, detect, and determine the EAS. Optimum system parameters and optimal observational conditions were calculated on electronic computers. Since the location of the shower axis and the total number of particles can be found by measurement at 3 points of an EAS plane of observation, a standard pattern consisting of an equilateral triangle (circumradius 20 or 40 m) was used, with groups of EAS counters and hodoscopic counter groups; the triangle

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On the selection of extensive air showers ... S/749/60/007/000/001/012

was periodically moved and set up at different longitudinal stations of the tunnel. Using an accuracy of the density determination of 30%, the number of counters in a single hodoscopic counter group was specified to be 23-24. The spatial distribution function of the electron-photon component used was that proposed by Nishimura and Kamata, as approximated by K. Greizen (Progr. in Cosmic Ray Phys., v. III, Amsterdam, 1956, 1-141). Calculations are described for the determination of the probability of fixing the shower with the selection system. The calculation of the differential-distribution function of all showers fixed by the array according to the number of particles is shown. Additional parameter calculations indicate that it is statistically advantageous to employ the smaller triangle and make a greater number of measurements. Triangles of yet smaller sizes are not practicable, since the advantage of speedier pickup of large EAS would be gained only at the risk of missing small showers altogether. There are 8 figures, 1 (unnumbered) table, and 7 Russian-language Soviet papers and 1 English-language paper (by K. Greizen, cited in text of abstract).

ASSOCIATION: None given.

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21(7)

SOV/56-35-5-52/56

AUTHORS: Kazarov, R. Ye., Lyudvigov, R. B.

TITLE: On the Penetrating Component of an Extensive Air Shower
(O pronikayushchey komponente shirokogo atmosfernogo livnya)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 5, pp 1310-1311 (USSR)

ABSTRACT: In an earlier paper (Ref 1) an experimental device was described and several results obtained by the investigation of the energy spectrum of the penetrating component of an extensive air shower were mentioned. The present paper gives some additional data from which several conclusions are drawn. The penetrating component was measured in a depth of 127 m water-equivalent by using two similar detectors for cosmic particles. Carrying out of measurements is discussed in short. The evaluation of measurement results showed the following: To 302 recorded showers with an average number of $\overline{N} = 2.85 \cdot 10^5$ there corresponded 23 showers to which the detector responded in a distance of 45 m. This results in a value of $\varrho_\mu = 0.077 \pm 0.018$ m^{-2} for the density ϱ_μ of the penetrating particles. This value applies for distances of about 45 to

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SOV/56-35-5-52/56

On the Penetrating Component of an Extensive Air Shower

50 m from the shower axis. For the exponent γ of the energy spectrum of the penetrating component the value $\gamma = 1.15 \pm 0.41$ was found. The results obtained by the authors make it possible to draw conclusions as to the spatial distribution of the penetrating component in a depth of 127 m water-equivalent. If the spatial distribution in this depth satisfies a law of the type

$$\varrho_\mu(r) = a \exp\left[-\alpha r^2\right],$$

the values $a = 0.34 \pm 0.01$ and $\alpha = 0.00074 \pm 0.00011$ are obtained for the parameters a and α on the strength of the results found. The half-value radius R of myon distribution in a depth of 127 m water-equivalent found on the strength of the results obtained amounts to 30 ± 5 m. The authors thank Professor E. L. Andronikashvili and M. F. Bibilashvili for their interest in this work and for taking part in discussion of results. There are 2 Soviet references.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR
(Institute of Physics of the Academy of Sciences, Gruzinskaya SSR)

Card 2/3

KAZAROV, R.YE.

THE ENERGY SPECTRUM OF THE PENETRATING COMPONENT OF AN EXTENSIVE AIR SHOWER

E. L. Andronikashvili, R. E. Kazarov

An investigation was made of the energy distribution of the penetrating component in extensive air showers (EAS).

Measurements were made underground at depths of 61, 127, 162, meters water equivalent. In addition, measurements were made at the surface under a 28 c. layer of lead absorber.

The registered showers were divided into three groups with respect to the number of particles.

An analysis of the experimental data shows that the energy spectrum softened when the distance from the shower axis was increased.

The value of the exponent of the energy spectrum of form $N_\mu \sim (E^{-\gamma}/5)$ is $\gamma = 0.54 \pm 0.06$, within experimental error at small depths (up to 127 metres water equivalent) and at average distances from the axis (~28m), and is independent of the size of the EAS (within the interval 7 x 10^3 - 5 x 10^5).

When the measuring depth is increased γ becomes a function of the shower size, which is an indication that large EAS have considerable quantities of μ-mesons of relatively low energy.

Utilizing the data on spatial distribution cited in papers by Andronikashvili, Bibilashvili (1) and Kazarov, Lyudvigov (2), an estimate was made of the total number of μ-mesons in EAS of different size and at all depths.

An analysis of the dependence of the $M \sim N^{x}$ type of the number of mu-mesons on the EAS size has shown that the value of the exponent $x = 0.45 \pm .011$ is independent of the depth of observation. Utilizing data on the number of mu-mesons in EAS of different size, there was also constructed an integral energy spectrum of the $M(>E) \sim (E_\mu + 1.5)^{-\gamma}$ type. It was found that within the limits of statistical error the value of the spectrum exponent is independent of the size of the shower (interval 7 x 10^3 - 5 x 10^5) and is equal to ~ 1 .

The data obtained permit to evaluate the mean energy of mu-mesons both at different depths and at various distances from the azis, and also the energy contribution of the penetrating component to the sum total of the EAS.

Report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959

21(10)
AUTHOR: Kazarov, R. Ye. SOV/56-36-1-8/62

TITLE: Hodoscope Investigation of the Penetrating Component of an Extensive Atmospheric Shower (Godoskopicheskoye issledovaniye pronikayushchey komponenty shirokogo atmosfernogo livnya)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 1, pp 49-51 (USSR)

ABSTRACT: In a number of earlier papers (Refs 1-3), $N_{\mu} \sim E_0^{\varkappa}$ was found for the dependence of the penetrating particles on the primary energy of the shower during investigations of the penetrating component of air showers under thin absorber layers. Also in the case of the present paper the investigation of this dependence for muons under lead at various shower energies formed the subject to be solved by the author. Measurements were carried out at Tbilisi in an altitude of 500 m above sea level during the period from winter to spring 1957. The author used an apparatus similar to that already described in an earlier paper (Ref 4). The muon flux was investigated within a range from 0 to 24 m round the shower axis for muon energies > 0.41 Bev.

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Hodoscope Investigation of the Penetrating Component of an Extensive Atmospheric Shower SOV/56-36-1-8/62

$N_{\mu} = 2\pi \int_{0}^{24} \frac{a}{r^{06}} r\, dr$ = const. a was obtained. Within the energy interval $1.54 \cdot 10^{14} \leqslant E_0 \leqslant 3.14 \cdot 10^{15}$ ev was obtained: $k = 0.12 \pm 0.14$, which agrees with the results obtained by Yu. N. Vavilov (Ref 5)($E_{\mu} \geq 0.44$ Bev). In reference 3, $k = 0.62 \pm 0.12$ was, however, obtained for $E_{\mu} \geq 1$ Bev. In conclusion, the author thanks Academician of the AS Gruz SSR, E. L. Andronikashvili, M. F. Bibilashvili, and T. V. Varsimashvili for their interest and for taking part in discussions. He further expresses his gratitude to R. V. Kuridze, I. V. Khaldeyeva, and M. M. Freydlin for their assistence in carrying out the work. There are 2 tables and 5 references, 3 of which are Soviet.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Physics Institute of the Academy of Sciences, Gruzinskaya SSR)

SUBMITTED: July 31, 1958

Card 2/2

KAZAROV, R. Ye., Cand Phys-Math Sci (diss) "Investigation of the energy spectrum of the penetrating components of broad atmospheric showers of particles." Tbilisi, 1960, 9 pp, (Tbilisi State Univ Im Stalin) (KL, 34-60, 120)

S/056/60/038/03/06/033
B006/B014

24.6900

AUTHORS: Andronikashvili, E. L., Kazarov, ~~R. Ye.~~

TITLE: Experimental Study of the Energy Spectrum of the Penetrating Component of Extensive Air Showers/9

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 38, No. 3, pp. 703-707

TEXT: In the article under review, the authors studied the energy spectrum (absorption) of the muon component of extensive air showers in the range 0.4 - 37 Bev. The investigations were made in various pits in Tbilisi, 400 m above sea-level. Fig. 1 shows a block diagram of the device. A threefold coincidence between Geiger-counter groups was used for the shower separation. The resolution of the separator was $2.5 \cdot 10^{-6}$ sec, that of the subterranean, twofold coincidence was $2.5 \cdot 10^{-6}$ sec, and that of the hodoscope was $4 \cdot 10^{-5}$ sec. In the various series of subterranean measurements, the group of hodoscope counters was placed at a depth of 162, 127, and 61 m water equi- X

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82408

Experimental Study of the Energy Spectrum of the Penetrating Component of Extensive Air Showers

S/056/60/038/03/06/033
B006/B014

valent, in one series of measurements the detector of the penetrating particles on the surface was contained in a lead casing of 3.2 m water equivalent. The measurements were divided into three groups of showers with particle numbers of $7\cdot10^3$ - $2.8\cdot10^4$, $2.8\cdot10^4$ - $1.1\cdot10^5$, and $1.1\cdot10^5$ - - $4.5\cdot10^5$; the average particle numbers were $1.4\cdot10^4$, $7\cdot10^4$, and $2.9\cdot10^5$. The results obtained in the various series of measurements are compiled in a table. The mean density ϱ_μ of the muon flux was calculated from the equation $\varrho_\mu = \frac{1}{\sigma} \ln \frac{n}{n - n_\mu}$, where σ denotes the area of a detector series, n the number of recorded showers of one group, and n_μ the number of showers of this group with muon admixture. The distance r between detector and shower axis at a depth h is expressed by the relation $r^2 = R^2\sin^2\varphi + (R\cos\varphi\cos\vartheta - h\sin\vartheta)^2$, where R is the distance between the trace of the shower axis on the surface and the origin of coordinates, φ and ϑ the azimuth- and zenith angles. Fig. 2 shows the energy spectrum. The muon spectrum in the logarithmic coordinate system may be well represented by a straight line with a slope of 0.54±0.07

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Experimental Study of the Energy Spectrum of the Penetrating Component of Extensive Air Showers

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for showers with the mean particle numbers $1.4\cdot10^4$ and $7\cdot10^4$. For $\bar{N} = 2.9\cdot10^5$ (Fig. 3) it is also a straight line; however, in the last third of its course it is curved downward. Fig. 4 illustrates the muon energy spectrum of all three groups; however, the total number of muons in the shower is used as ordinate (in the others the flux density); the muon energy serves as abscissa. All data correspond to a mean distance from the shower axis of 28 m. The exponent of the energy spectrum was almost unity for all three groups, and the highest exponent was found for $\bar{N} = 2.9\cdot10^5$, i.e. 1.25 ± 0.20. The highest mean muon energy was found in this shower, that is, higher than 7 Bev at sea-level. There are 4 figures, 1 table, and 5 references, 3 of which are Soviet.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Physics Institute of the Academy of Sciences of the Gruzinskaya SSR)

SUBMITTED: September 4, 1959

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S/627/60/002/000/014/027
D299/D305

3.2410

AUTHORS: Andronikashvili, E. L., and Kazarov, R. Ye.

TITLE: An energy-spectrum study of penetrating component of extensive air showers

SOURCE: International Conference on Cosmic Radiation. Moscow, 1959. Trudy. v. 2. Shirokiye atmosfernyye livni i kaskadnyye protsessy, 159-162

TEXT: The energy spectrum of the penetrating component was studied by investigating the absorption of the μ-mesons at various underground depths. The measurements were conducted in various parts of the town of Tbilisi, at an altitude of 400 m above sea level. Due to the requirement of mobility of apparatus, the experiments were not conducted under optimum conditions, yet the local possibilities were exploited to the full. The apparatus consisted of a surface part, incorporating hodoscoped counters, and an underground detector. The counters permitted measuring the soft-component density over a range of 2 to 400 particles/m^2. The detector was placed at

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depths of 162, 127 and 61 m; in one experimental series it was placed on the surface and shielded with lead. The shower size was determined to an accuracy of ± 50%, using the Nishimura-Kamata distribution with an age parameter $s = 1.25$. The showers detected were divided into 3 groups according to particle number. Only those data were processed which corresponded to showers, whose axes were contained within a circle of radius 28 m from the center of the detection system. The energy spectrum for an effective distance of 28 m from the shower axis is shown in a figure. For showers of small size, the spectrum is represented by a straight line with inclination 0.54 ± 0.07. For large showers, with number of particles $2.9 \cdot 10^5$, the spectrum grows steeper with greater depths and the spectrum component becomes close to unity. Another figure shows the meson-component spectra. Each of these spectra can be represented by a straight line with inclination nearly unity. The inclination increases with number of particles in the shower. The maximum value of the exponent was found to be 1.25 ± 0.20, for a shower with $2.9 \cdot 10^5$ particles. According to these spectra, the mean energy of the

An energy-spectrum study ...

S/627/60/002/000/014/027
D299/D305

μ-meson contained in the penetrating component of extensive air showers, is of the order of 7 to 8 Bev. which confirms the results obtained by the authors in previous years. There are 4 figures and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: K. Greisen. Progress in Cosmic Ray Physics. Amsterdam, v. 3, 1956, 1-141; J. Nishimura and K. Kamata. Progr. Theor. Phys., 6, 262, 628, 1951.

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Card 3/3

KAZAROV, R. YE.

4

S/048/62/026/005/019/022
B108/B102

3.2410

AUTHORS: Andronikashvili, E. L., Bibilashvili, N. F., Vardenga, G. D., Gvaladze, T. V., Dzhavrishvili, A. K., Kazarov, R. Ye. Kuridze, R. V., and Khaldeyeva, I. V.

TITLE: Angular distribution of the penetrating component of extensive atmospheric showers at a depth of 200 m water equivalent

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 5, 1962, 682-684

TEXT: The angular distribution of the axes of extensive atmospheric showers was determined by various methods, mainly using a cloud chamber. The direction of the axis was established from the electron-photon component. At a distance of 0.5H or less from the shower axis (H = depth at which the detector is placed under the surface), the particle distribution is given by $I_{\vartheta} = I_0 \cos^{8.3}\vartheta$, as has been established by various authors. The present authors' results agree with this law. There are 2 figures.

Card 1/1

ANDRONIKASHVILI, E.L.; BIBILASHVILI, M.F.; VARDENGA, G.D.; GVALADZE, T.V.; DZHAVRISHVILI, A.K.; KAZAROV, R.Ye.; KURIDZE, R.V.; KHALDEYEVA, I.V.

Angular distribution of the penetrating component of wide atmospheric showers in conditions equivalent to a 200 m. depth of water. Izv.AN SSSR.Ser.fiz. 26 no.5:682-684 Ap '62. (MIRA 15:5)

(Cosmic rays) (Nuclear reactions)

KAZAROV, R. Ye.

ANDRONIKASHVILI, E. L., BIBILASHVILI, M. F., VARDENGA, G. L., GVALADZE, T. V.,
JAVRISHVILI, A. K., KAZAROV, R. E., KURIDZE, R. V. and KHALDEIVA, I. I.

"Angular Distribution of the Penetrating Component of Extensive Air Showers at the Depth of 200 m.w.e."

Report presented at the International Conference on Cosmic Rays and Earth Storm, 4-15 Sep 61, Kyoto, Japan.

Physical Institute, Academy of Sciences, Georgia SSR

BARNAVELI, T.T.; BIBILASHVILI, M.F.; GRUBELASHVILI, G.A.; DZHAVRISHVILI, A.K.; KAZAROV, R.Ye.; KURIDZE, R.V.; KHALDEYEVA, I.V.

Properties of the penetrating component of extensive air showers at a depth of 200 meter water equivalent. Izv. AN SSSR. Ser. fiz. 28 no.11:1894-1895 N '64. (MIRA 17:12)

1. Institut fiziki AN GruzSSR.

3

ACCESSION NR: AP4042889 S/0251/64/035/001/0059/0066

AUTHOR: Barnaveli, T. T., Bibilashvilli, M. F., Dzhavrishvili, A. K., Grubelashvili, G. A., Kazarov, R. Ye., Kuridze, R. V. Khaldeyeva, I. V.,

TITLE: Investigation of the spatial distribution of mu-mesons in extensive atmospheric showers at a depth of 200 meters (water equivalent)

SOURCE: AN GruzSSR. Soobshcheniya, v. 35, no. 1, 1964, 59-66

TOPIC TAGS: meson, mu meson, atmospheric shower, cosmic ray, nuclear physics, atmospheric physics, meson spatial distribution

ABSTRACT: A study of the spatial distribution of the penetrating component of extensive atmospheric showers has been made in the underground laboratory of the Institut fiziki Akademii nauk Gruzinskoy SSR (Institute of Physics of the Academy of Sciences of the Georgian SSR). The selected geometry of the experiment ensured measurement of the density of the mu-meson flux to a distance of 80-100 m from the shower axis. An attempt was made to compute the total quantity of penetrating particles with a minimum energy of 40 Bev and their contribution to the energy balance of the shower and to detect nonuniformities in the mu-meson flux. Determination of the mu-meson component characteristics at a

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ACCESSION NR: AP4042889

depth of 200 m (water equivalent) required determination of the direction of arrival of the axis of the shower because the distance between the mu-meson detectors underground and the axis of the shower recorded at the surface is dependent on the angle of inclination of the axis. Arrangement of the underground apparatus is shown in Fig. 1 of the Enclosure. Scintillation apparatus was used for detecting showers and the inclination of their axes. A pulse from the coincidence circuit of this apparatus triggers both the OK-19 oscillograph and a blocking generator controlling the operation of two modulators using TGI-1-130/10 thyratrons, one of which triggers the pulse hodoscopes situated on the surface around the building, as shown in Fig. 2 of the Enclosure; another thyratron controls the underground mu-meson detectors. The underground part of the apparatus consists of a system of eight hodoscopic detectors, each separated by lead blocks 10 cm thick. Each detector has an area of 0.5 m^2 and the total area of the underground detectors is 4 m^2; each detector has a triple-coincidence circuit. During the 1,920 hours of operation the underground detectors were triggered 415 times. The mean dimension of showers (with respect to quantity of particles) was 6 x 10^5. Densities are given in a table. An expression is given for the distribution, and the results are compared with similar work done at the NIIYaF MGU. Orig. art. has: 3 formulas, 6 figures and 1 table.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR, Tbilisi (Physics Institute, Academy of Sciences of the Georgian SSR)

Card 2/5 Submitted: 20 Nov '63

ACC NR: AP7007078 SOURCE CODE: UR/0048/66/030/010/1662/1665

AUTHOR: Bezus, V. A.; Gedovanishvili, L. D.; Kazarov, R. Ye.; Kirillov-Ugryumov, V. G.; Kotov, Yu. D.; Kuridze, R. V.; Rozental', I. L.; Sakvarelidze, I. I.

ORG: Institute of Physics, AN GruzSSR (Institut fiziki AN GruzSSR); Moscow Engineering Physics Institute (Moskovskiy inzhenerno-fizicheskiy institut); Tbilisi State University (Tbilisskiy gosudarstvennyy universitet)

TITLE: Study of high-energy muons at a complex installation [Paper presented at the All-Union Conference on Cosmic Radiation Physics, Moscow, 15-20 Nov 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 10, 1966, 1662-1665

TOPIC TAGS: muon, cosmic radiation, calorimeter

SUB CODE: 20

ABSTRACT: A study of high-energy cosmic radiation muons was carried out at an installation consisting of an ionization calorimeter located in a tunnel at a depth of 130 m from the surface and five groups of hodoscopic counters on the surface which recorded showers accompanying the muons. The experimentally determined ionization burst spectrum of the muons could be described by the equation $T(>k) = T_0 k^{-\gamma}$, where k is the magnitude of the burst expressed in an equivalent number of relativistic particles. γ was 2.0 at $k = 1000-4000$, which corresponded to $\gamma = 2.5$ for the vertical flux of muons. The principal contribution to the bursts recorded was made by muons with a energy of 3×10^{11}

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ACC NR: AP7007078

- 2×10^{12} ev. At a projection angle $\leq 70^{\circ}$, at which no more than two adjacent ionization chambers in the six vertically arranged rows in the ionization calorimeter operated, γ was 2.2. During 765 hours of operations, corresponding to 1100 recorded bursts, the latter were accompanied by broad showers ($N_e = 5 \times 10^4 - 5 \times 10^5$) in nine cases. From a statistical standpoint, this result was insufficient for definite conclusions with regard to the correlation between muons and showers. The authors thank E. L. Andronikashvili and G. Ye. Chikovani for their interest and discussions, which greatly helped in the research. Orig. art. has: 4 figures and 1 formula. /JPRS: 39,658/

Card 2/2

107-57-3-48/64

AUTHOR: Kazarov, V. (Groznyy)

TITLE: An Improvement of "El'fa-6" Tape Recorder. Experience exchange (Usovershenstvovaniye magnitofona "El'fa-6." Obmen opytom)

PERIODICAL: Radio, 1957, Nr 3, p 45 (USSR)

ABSTRACT: The "El'fa-6" tape-recorder radio-phonograph combination allows only 13-15 minutes continuous recording at 78 rpm; to use the second track for 13-15 minutes, a rewinding procedure is necessary which takes about as much time. An additional switch is suggested for turning off the erase head. The recording can then be continued during the rewind motion of the tape.

Card 1/1

L 22646-65 EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b) [illegible]

ACCESSION NR: AP5001172 S/0135/64/000/012/[illegible]

AUTHOR: Vagner, F.A.; Kazarov, V.A.

TITLE: Argon arc welding of stainless steel pipes with carbon dioxide blowing

SOURCE: Svarochnoye proizvodstvo, no. 12, 1964, 28-30

TOPIC TAGS: arc welding, argon arc welding, stainless steel pipe, [illegible] carbon dioxide [illegible] steel [illegible] welding [illegible]

ABSTRACT: The authors conducted experiments to find out whether [illegible]

[illegible] welding and [illegible] decomposition were negligible, so that the corrosion resistance and other properties of the weld were unaffected. Microexamination of the welds showed that they contained ferrite (α-phase) in addition to austenite. This finding demonstrated that carbon dioxide blowing had no adverse effect whatever on the phase composition of the [illegible] [illegible] recommended in the welding of stainless steel pipes. Orig. art. has: [illegible]

Cord 1/2

L 22646-65

ACCESSION NR: AP5001172

ASSOCIATION: Trest "Tsentroenergomontazh" ("Tsentroenergomontazh" Trust)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 005 OTHER: 000

Card 2/2

KAZAROV, V.I.; BULYSHEVA, Z.I.

Advanced technological processes for molding reducing gears.
Mashinostroenie no.2:114 Mr-Ap '62. (MIRA 15:4)
(Molding (Founding))

L 36108-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6017312 (A) SOURCE CODE: UR/0126/66/021/005/0793/0795

AUTHORS: Lavrent'yev, F. F.; Soldatov, V. P.; Kazarov, Yu. G.

ORG: Institute of Physics and Technology of Low Temperatures, AN UkrSSR (Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR)

TITLE: Growth of single crystals of zinc and bismuth of given form and crystallographic orientation

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 5, 1966, 793-795

TOPIC TAGS: zinc, bismuth, metal crystal, single crystal

ABSTRACT: An apparatus for the growth of metal single crystals of predetermined form and crystallographic orientation is presented. The developed apparatus supplements the device developed by Yu. V. Sharvin and V. F. Gantmakher (PTE, 1963, No. 6, 165). A schematic of the apparatus is presented (see Fig. 1). The performance of the apparatus was tested by growing zinc and bismuth single crystals. It is concluded that the method should prove useful for growth of single crystals of other high-melting metals.

UDC: 669-172:546.87

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L 36108-66

ACC NR: AP6017312

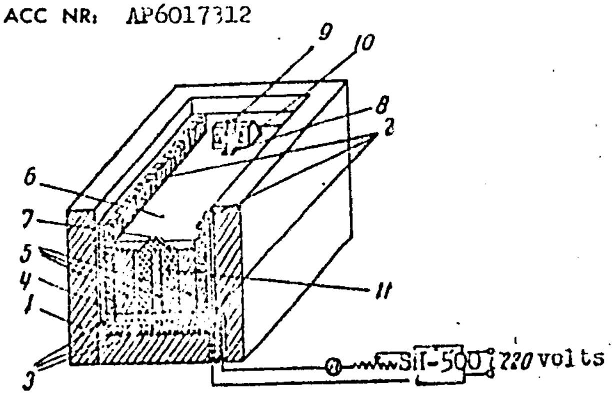

Fig. 1. Schematic of the installation for the growth of single crystals of zinc and bismuth. 1 - pyrophyllite box, 2 - box sections, 3 - heaters, 4 - pyrophyllite support, 5 - prismatic blocks, 6 - top, 7 and 8 - openings for control and addition of melt, 9 - seed, 10 - orienting support, 11 - melt.

Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 23Jul65/ ORIG REF: 005

LS

SIDOROCHKIN, S.S.; OSMINKIN, Ya.M.; CHURIN, V.N.; YUSHTIN, Ye.I.;
YANKOVSKAYA, Z.V.; KUZNETSOV, Ye.I., otv.red.; KAZAROV, Yu.S.,
red.; KAMOLOVA, V.M., tekhn.red.

[Handbook on accident prevention and industrial sanitation; in three volumes] Spravochnik po tekhnike bezopasnosti i promyshlennoi sanitarii; v trekh tomakh. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl. Vol.2. [Regulations, instructions, norms] Pravila, instruktsii, normy. 1959. 525 p.
(MIRA 13:2)

(Industrial safety) (Industrial hygiene)

YEVSTIGNEYEV, Vasiliy Pavlovich; SIDORENKOV, A.N., otvetstvennyy red.;
KAZAROV, Yu.S., red.; TSAL, R.K., tekhn.red.

[Preparation and straightening of thin sheet-metal structures in shipbuilding] Opyt izgotovleniia i pravki tonkolistovykh konstruktsii v sudostroenii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1957. 30 p. (MIRA 11:3)
(Sheet-metal work) (Shipbuilding)

Kazarov, Yu. S

SABUROV, Konstantin Stepanovich, rabochiy; KAZAROV, Yu.S., red.; TSAL, R.K., tekhn. red.

[Practices in laying out elements of boat hulls and metal structural elements] Opyt razmetki detalei sudovogo korpusa i metallokhostruktsii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1958. 39 p. (MIRA 11:7)

1. Zavod imeni A.A. Zhdanova.(for Saburov).
(Hulls (Naval architecture))

YELOVKOV, Yuriy Ivanovich; PROKHOROV, Boris Fedorovich; DEREVYANKO, Yu.G., nauchnyy red.; KAZAROV, Yu.S., red.; TSAL, P.K., tekhn. red.

[Corrugated materials for shipbuilding] Sudovye gofrirovannye konstruktsii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1958. 95 p. (MIRA 11:10)

(Shipbuilding)

KAZAROV, Yu. S.

CHERNAKOV, Fedor Andreyevich; BOGDANOV, Fedor Andreyevich; PASHKOV, N.Ye., otvetstvennyy red.; KAZAROV, Yu.S., red.; TSAL, R.K., tekhn.red.

[Argon-arc welding and its uses] Argono-dugovaia svarka i ee primenenie. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1958. 219 p. (MIRA 11:5)
(Electric welding) (Protective atmospheres)

KAZAROV, Yu.S.

GUROVICH, Arnol'd Naumovich; KAS'KOV, S.I., otvetstvennyy red.; KAZAROV, Yu.S., red.; LEVOCHKINA, L.I., tekhn.red.

[Design and construction of cargo handling devices for ships] Raschet i konstruirovanie sudovykh gruzovykh ustroistv. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1958. 293 p. (MIRA 11:6)
(Masts and rigging) (Cargo handling)

NOVOZHILOV, Valentin Valentinovich; CHERNYKH, K.F., nauchnyy red.;
KAZAROV, Yu.S., red.; SHISHKOVA, L.M., tekhn.red.

[Theory of elasticity] Teoriia uprugosti. Gos.soiuznoe izd-vo
sudostroit.promyshl., 1958. 369 p. (MIRA 12:3)
(Elasticity)

POPOV, Viktor Stepanovich, kand.tekhn.nauk; KASATKIN, A.S., otv.red.;
KAZAROV, Yu.S., red.; KANTOROVICH, A.I., tekhn.red.

[Electric meters and measurements] Elektrotekhnicheskie izmereniia i pribory. Izd. 6., ispr. Moskva, Gosenergoizdat-Sudpromgiz, 1958. 379 p. (MIRA 12:1)
(Electric measurements) (Electric meters)

KAZAROV, Yu.S.; LAPIN, V.I.

Construction of supertankers abroad. Sudostroenie 24 no.4:63-65
Ap '58. (MIRA 11:4)
(Tank vessels)

KOLENDA, Boris Germanovich; NIKITINYKH, N.M., otv.red.; KAZAROV, Yu.S., red.; SHISHKOVA, L.M., tekhn.red.

[Electromagnetic control method of welded joints] Elektromagnitnyi metod kontrolia svarnykh shvov. Leningrad, Gos. soiuznoe izd-vo sudostroit.promyshl., 1959. 53 p. (MIRA 12:10)
(Welding--Quality control) (Magnetic testing)

ARKHANGEL'SKIY, Boris Aleksandrovich; AL'SHITS, Isaak Moiseyevich;
KAMESHKOV, K.A., nauchnyy red.; KAZAROV, Yu.S., red.;
ERASTOVA, N.V., tekhn.red.

[Sailing vessels built of plastics] Suda iz plastmass.
Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959.
83 p. (MIRA 12:12)
(Shipbuilding--Supplies) (Plastics)

GERBACH, Vasiliy Vasil'yevich; KUZNETSOV, Konstantin Alekseyevich; LIVSHITS, Lev Zakharovich; PLYASUNOV, Vladimir Ivanovich; KONSTANTINOV, A.P., kand.ist.nauk, obshchiy red.; KAZAROV, Yu.S., red.; FRUMKIN, P.S., tekhn.red.

[Workers of the Baltic Factory in three revolutions] Rabochie-Baltiitsy v trekh revoliutsiiakh. Pod obshchei red. A.P.Konstantinova. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959. 146 p. (MIRA 12:5)

(Leningrad--Shipbuilding workers)

DIOMIDOV, Mikhail Nikolayevich; DMITRIYEV, Aleksandr Nikolayevich;
KAZAROV, Yu.S., red.; LEVOCHKINA, L.I., tekhn.red.

[Conquest of the depths] Pokorenie glubin. Leningrad, Gos.
soiuznoe izd-vo sudostroit.promyshl., 1959. 173 p.
(MIRA 12:9)

(Marine biology) (Oceanographic research)

ARKHANGORODSKIY, Aleksandr Grigor'yevich; BELEN'KIY, Leonid Mikhaylovich;
CHUVIKOVSKIY, G.S., nauchnyy red.; KAZAROV, Yu.S., red.; FRUMKIN,
P.S., tekhn.red.

[Analytical method of designing ship hulls] Analiticheskii
metod proektirovaniia korpusa sudna. Leningrad, Gos.soiuznoe
izd-vo sudostroit.promyshl., 1959. 207 p. (MIRA 12:3)
(Hulls (Naval architecture))

BAYKOV, Dmitriy Ivanovich; ZOLOTOREVSKIY, Yuliy Semenovich; RUSSO,
Vladimir Leonidovich; RYAZHSKAYA, Tamara Konstantinovna;
BABICHEV, B.I., kand.tekhn.nauk, nauchnyy red.; KAZAROV,
Yu.S., red.; LEVOCHKINA, L.I., tekhn.red.

[Weldable aluminum alloys; properties and use] Svarivaiushchiesia aliuminievye splavy; svoistva i primenenie. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959. 234 p.
(MIRA 12:10)

(Aluminum alloys)

VELIKOSEL'SKIY, Nikolay Dmitriyevich; KLIMOV, Andrey Stepanovich; SHMAKOV, Mikhail Georgiyevich; KRAKOVSKIY, I.I., nauchnyy red.; KAZAROV, Yu.S., red.; TSAL, R.K., tekhn.red.

[Ship equipment on towing trains; their design and calculations] Sudovye ustroistva tolkaemykh sostavov; proektirovanie i raschet. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959. 235 p. (MIRA 13:1)

(Towing--Equipment and supplies) (Inland navigation)

ZUBOV, Vladimir Ivanovich; CHERNETSKIY, V.I., nauchnyy red.; KAZAROV,
Yu.S., red.; KONTOROVICH, A.I., tekhn.red.

[Mathematical methods for investigation of automatic control systems] Matematicheskie metody issledovaniia sistem avtomaticheskogo regulirovaniia. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1959. 323 p. (MIRA 12:7)
(Automatic control)

SMIRNOV, Boris Mikhaylovich [deceased]; KOLOMOYTSEV, V.P., kand. tekhn. nauk, retsenzent; GORDON, L.A., kand. tekhn. nauk, retsenzent; IRKHIN, A.P., nauchnyy red.; KAZAROV, Yu.S., red.; TSAL, R.K., tekhn. red.

[Economic analysis in the design of seagoing vessels] Ekonomicheskii analiz pri proektirovanii morskikh sudov. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1960. 375 p. (MIRA 14:7)

(Naval architecture) (Shipping—Accounting)

SOKOLOV, Nikolay Nikolayevich; ROZEN, Moisey Leyzerovich; IVANOV, A.A., nauchnyy red.; KAZAROV, Yu.S., red.; KRASTOVA, N.V., tekhn.red.

[Screw propellers made of stainless steel] Grebnye vinty iz nerzhaveiushchei stali. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 124 p. (MIRA 13:10)
(Propellers) (Steel, Stainless)

DMITRIYEV, Vladimir Pavlovich; KOMAN, Aleksandr Abramovich; RIMMER, A.I., nauchnyy red.; KAZAROV, Yu.S., red.; KAMOLOVA, V.M., tekhn.red.

[Rigging and devices for ship hull construction] Osnastka i prisposobleniia dlia sudokorpusnykh rabot. Leningrad, Gos. soiuznoe izd-vo sudostroit.promyshl., 1960. 205 p. (MIRA 13:5)
(Shipbuilding--Equipment and supplies)

KOROTKIN, Isaak Moiseyevich; BREYEV, A.M., nauchnyy red.; KAZAROV, Yu.S., red.; SHISHKOVA, L.M., tekhn.red.

[Battle damage of surface vessels] Boevye povrezhdeniia nadvodnykh korablei. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 301 p. (MIRA 13:5)
(World War, 1939-1945--Naval operations)

LASHKO, Nikolay Fedorovich; **LASHKO-AVAKYAN**, Sof'ya Vasil'yevna; **PETROV**, G.L., nauchnyy red.; **KAZAROV**, Yu.S., red.; **TSAL**, R.K., tekhn.red.

[Weldable light alloys] Svarivaemye legkie splavy. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 439 p. (MIRA 13:7)

(Light metals--Welding)

KANFOR, Solomon Semenovich; SIMAKOVSKIY, A.P., nauchnyy red.; KAZAROV, Yu.S., red.; KONTOROVICH, A.I., tekhn.red.

[Steel plate for ship hulls] Korpusnaia stal'. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1960. 374 p. (MIRA 13:12)

(Plates, Iron and steel) (Hulls (Naval architecture))

POLYAKOV, Isaak Fal'kovich; KOVRYZHKIN, Viktor Fedorovich; BOBORYKIN, S.G., nauchnyy red.; KAZAROV, Yu.S., red.; KOROVENKO, Yu.N., tekhn.red.; KRASTOVA, N.V., tekhn.red.

[Technical specifications for hull construction] Tekhnicheskoe normirovanie korpusnykh rabot. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 480 p. (MIRA 14:3)

(Hulls (Naval architecture))

BEL'CHUK, Georgiy Aleksandrovich, kand. tekhn. nauk, dots., prepodavatel'; MATSKEVICH, Vadim Dmitriyevich, kand. tekhn. nauk, dots., prepodavatel'; DEMYANTSEVICH, V.P., dots., kand. tekhn. nauk, nauchnyy red.; PROKHOROV, N.N., prof., doktor tekhn. nauk, retsenzent; KAZAROV, Yu.S., red.; KOROVENKO, Yu.N., tekhn. red.

[Welding in shipbuilding] Svarka v sudostroenii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 431 p. (MIRA 14:10)

1. Kafedra "Svarka sudovykh konstruktsiy" Leningradskogo korablestroitel'nogo instituta (for Bel'chuk, Matskevich).
(Shipbuilding) (Welding)

BYKHOVSKIY, Izrail' Adol'fovich; BELLI, V.A., prof., kontr-admiral, retsenzent; ZALESSKIY, N.A., kand. tekhn. nauk, retsenzent; ASHIK, V.V., prof., red.; KAZAROV, Yu.S., red.; SHISHKOVA, L.M., tekhn. red.

[Experts on ships: S.O.Burachek, A.A.Popov, I.F.Aleksandrovskii, S.K.Dzheretskii] Korabel'nykh del mastera: S.O.Burachek, A.A.Popov, I.F.Aleksandrovskii, S.K.Dzhevetskii. Pod red. V.V.Ashika. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1961. 215 p. (MIRA 14:12)

(Shipbuilding)

BAKSHT, Yuriy Vol'fovich; LOFENFEL'D, Yevgeniy Grigor'yevich; RUSETSKIY, Aleksandr Alekseyevich. Prinimali uchastiye: MARTIROSOV, G.G.; MAVLYUDOV, M.A.; KATSMAN, F.M., inzh., retsenzent; TITOV, I.A., kand. tekhn. nauk, retsenzent; KAZAROV, Yu.S., red.; KOROVENKO, Yu.N., tekhn. red.

[Adjustable pitch screw propellers] Grebnye vinty reguliruemogo shaga. By IU.V.Baksht, E.G.Lofenfel'd, A.A.Rusetskii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 327 p. (MIRA 14:12)

(Propellers)

SHMYREV, Aleksandr Nestorovich; MORENSHIL'DT, Vera Aleksandrovna; IL'INA, Sof'ya Glebovna; FATEYEV, A.V., doktor tekhn. nauk, prof., retsenzent; KHOLODILIN, A.N., kand. tekhn. nauk, retsenzent; LEVITIN, S.G., inzh., retsenzent; GERASIMOV, A.V., kand.tekhn.nauk, nauch.red.; CHERTKOV, R.I., kand.fiz.-mat.nauk, nauch.red.; KAZAROV, Yu.S., red.; ERASTOVA, N.V., tekhn.red.

[Ship stabilizers] Uspokoiteli kachki sudov. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1961. 515 p. (MIRA 14:12)
(Stability of ships)

BARABANOV, Nikolay Vasil'yevich; BELKIN, V.P., prof., doktor tekhn. nauk, retsenzent; TKACHEVA, P.Ye., dots., kand. tekhn. nauk, retsenzent; KAZAROV, Yu.S., red.; KAMOLOVA, V.M., tekhn. red.

[Design of ship hulls] Konstruktsiia korpusa morskikh sudov. Pod red. V.P.Belkina, Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1961. 467 p. (MIRA 15:2)
(Hulls (Naval architecture))

OKERBLOM, Nikolay Oskarovich; KUZ'MINOV, S.A., kand. tekhn. nauk, retsenzent; BAZILEVSKIY, N.G., kand. tekhn. nauk, nauchnyy red.; KAZAROV, Yu.S., red.; KONTOROVICH, A.I., tekhn. red.

[Combination welded structures]Kombinirovannye svarnye konstruktsii. Leningrad, Sudpromgiz, 1962. 98 p. (MIRA 15:9)

(Ships—Welding)

DORMIDONTOV, Vladimir Konstantinovich; AREF'YEV, Timofey Vasil'yevich; KISELEVA, Nina Arsen'yevna; KUZ'MENKO, Vladimir Kuz'mich; LUK'YANOV, Petr Grigor'yevich[deceased]; NIKITIN, Yevgeniy Ivanovich; TURUNOV, Savva Matveyevich; CHERVYAKOV, V.I., laureat Leninskoy premii, inzh., retsenzent; MESHCHERYAKOV, V.V., inzh., retsenzent; KAZAROV, Yu.S., red.; CHISTYAKOVA, R.K., tekhn. red.

[Shipbuilding technology]Tekhnologiia sudostroeniia. Pod obshchei red. V.K.Dormidontova. Leningrad, Sudpromgiz, 1962. 695 p. (MIRA 16:1)

(Shipbuilding)

GORSHKOV, Aleksey Stepanovich; RUSETSKIY, Aleksandr Alekseyevich.
Prinimal uchastiye ZEL'DIN, Ye.A.; SHMYREV, A.N., kand.
tekhn. nauk, retsenzent; ROZHDESTVENSKIY, V.N., dots.,
retsenzent; IVANOV, A.N., kand. tekhn. nauk, nauchnyy red.;
KAZAROV, Yu.S., red.; SHISHKOVA, L.M., tekhn. red.

[Cavitation pipes]Kavitatsionnye truby. Leningrad, Sudpromgiz,
1962. 165 p. (MIRA 16:2)
(Cavitation)

TSIREL'SON, Simon Aronovich; RAZRAN, Mikhail Avraamovich. Prinimala uchastiye TSIREL'SON, E.A.; MIROPOL'SKIY, S.V., kand. biol. nauk, retsenzent; CHICHENEV, A.I., inzh., retsenzent; BOBOSHKO, S.B., nauchnyy red.; GORDON, L.A., nauchnyy red.; YEGOROV, S.A., nauchnyy red.; KAZAROV, Yu.S., red.; KRYAKOVA, D.M., tekhn. red.

[Livability on board ships]Obitaemost' sudov. Leningrad, Sudpromgiz, 1963. 266 p. (MIRA 16:3)
(Merchant seamen--Accommodations on shipboard)
(Ships--Heating and ventilation)

ZAYTSEV, Vikentiy Petrovich, kand. tekhn. nauk, dots.; NITOCHKIN, Aleksandr Yefimovich, inzh.; POPYRIN, Ivan Andreyevich, inzh.; SURVILLO, Vladimir Lyudvigovich, doktor tekhn. nauk, prof. [deceased]; KAN, A.V., inzh., retsenzent; TERENT'YEV, G.B., kand. tekhn. nauk, retsenzent; KAZAROV, Yu.S., red.; YUDINTSEV, A.F., red.; CHISTYAKOVA, R.K., tekhn. red.; SHISHKOVA, L.M., tekhn. red.

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KAZARTSEV, V I

USSR/ Engineering - Crankshaft repair

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Authors : Kazartsev, V. I., Dr. of Mech. Sc., Prof.; and Kazantsev, A. S., Cand. of Mech. Sc.

Title : Restoration of crankshafts for automobile and tractor engines

Periodical : Vest. mash. 35/6, 67 - 70, Jun 1955

Abstract : Restoration of used crankshafts for automobile and tractor engines by means of autogenous welding, electrodeposition, and chromium and metal plating methods is discussed, and working methods and devices used on lathes for an anode-mechanical treatment of crankshafts, are described. Diagrams, drawings; tables.

Institution : .....

Submitted : .....